

Cinge5000

5G Indoor CPE



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5G Sub-6 Indoor CPE

CAT20

5G NR/LTE/WCDMA

Wi-Fi 6 (802.11ax)

The Cinge5000 from edgenectar is a 5G indoor CPE, providing hyper 5G experience for global carriers and partners. This 5G router is compatible with 4G networks and spectrum and its actual throughput is 10 times higher than 4G LTE. With the Cinge5000, consumers will enjoy faster wireless broadband data speeds versus fiber-based solutions, without the need for aerial or underground cabling. Whether you use it at home or in the office, the Cinge5000 provides a truly wireless broadband experience.



KEY FEATURES

- Qualcomm SDX62 chip solution
- 5G NR and LTE-A CAT20 dual modes
- Supports both SA and NSA
- 2 SKUs support European, Asian, and North American 5G NR bands
- Supports Wi-Fi 6 (802.11ax), maximum 4.67 Gbit/s throughput
- VoLTE or VoIP voice (optional)
- Powerful software features, supporting all the router features
- Web, TR069 and SNMP based device management

SYSTEM ELEMENTS



HARDWARE SPECIFICATIONS

Technical Standard	WAN	5G NR/LTE/WCDMA
	LAN	IEEE 802.3/802.3u
	WLAN	IEEE 802.11b/g/n/ac/ax
Cellular Bands (CPX60P – A2 Version)	5G NR	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78
	LTE	B1/B3/B5/B7/B8/B20/28/B32/B38/B40/B41/B42/B43
	WCDMA	B1/B5/B8
	WLAN	2.4 GHz and 5 GHz with QAM1024 support
Cellular Bands (CPX60P – B2 Version)	5G NR	n2/n5/n7/n12/n25/n41/n48/n66/n71/n77/n78
	LTE	B2/B4/B5/B7/B12/B13/B17/B14/B25/B26/B29/B30/B41/B42/B43/B48/ B46(LAA)/B66/B71

	WLAN	2.4 GHz and 5 GHz with QAM1024 Support
External Port	2 x RJ45 gigabit ethernet port 1 x DC jack 1 x Voice POTS Port(Optional) 1 x SIM slot (4FF)	
Antenna	8 build-in NR/LTE antenna 2 build-in WIFI antenna	
LED Indicators	1 x Power indicator 1 x WLAN indicator 1 x Net indicator 1 x Tri-color signal strength indicator	
Button	1 x reset button 1 x multi-function button	
Carrier Aggregation	DL: 4X4 MIMO, up to 5CA, 256QAM; UL: 2X2 MIMO, 2CA, 256QAM WIFI 6 MIMO 2*2	
Maximum Transmission Power	5G NR sub 6 bands	Class 3 -- 23 ± 2dBm
	5G NR n41/n77/n78 bands UL MIMO HPUE	Class 2 -- 26 ± 2dBm
	4G LTE	Class 3 -- 23 ± 2dBm
	WCDMA	Class 3 -- 24 + 1/-3dBm
Cellular Data Throughput (CPX60P – A2/B2)①	5G SA	Downlink: 4.67 Gbps; Uplink: 2.5Gbps
	5G NSA/ENDC	Downlink: 3.74 Gbps; Uplink: 1.46 Gbps
	LTE	Downlink: 1.6 Gbps; Uplink: 211 Mbps
Power Supply	DC 12V/ 2A	
Power Consumption	< 24W	
Dimensions (Maximum)	105 x 105 x 215 mm 4.13 x 4.13 x 8.46 in	
Weight	≈ 1 kg 2.20 lbs	
Humidity	5% ~ 95% Non-condensing	
Temperature	Working temperature: -10 °C ~ +45 °C +14 °F ~ +113 °F	
	Storage temperature: -40 °C ~ +70 °C -40 °F ~ +158 °F	

① Cellular data throughput is the theoretical value of the module.

SOFTWARE SPECIFICATIONS

Data Services	4 x APNs	
	Multiple PDN	
	IPV4/IPV6 dual stack support	
LAN	DHCP V4/V6	
	DNS and DNS proxy	
	DMZ	
	UPNP	
	ALG	
	ARP/ICMP/IGMP	
Management	Version Management: Image checksum	
	HTTP/FTP auto-upgrade	
	TR069	Upload/ Download the ACS specified file
		Download the configuration file
		Configure & queries parameters
		Remote upgrade
		Remote debugging operations
		Cycle monitor
	SNMP	
	WebGUI/ CLI	Different level of user login priority with various limitation and display
		Encryption backup current settings and restore the backup settings
		Export diagnosis results and operation logs
		Statistics of LAN link status, transmit and receive traffic and up time
Diagnostics		
USIM PIN management and card authentication		
USIM activation		
NAT/Bridge mode		
Port mirror/Port forwarding		
VPN & Routing	Static Routing	
	IPSec	
	PPTP	
	GRE tunnel	
	L2TP V2/V3	
Security	Firewall	

	Mac address filtering
	IP address filtering
	URL filtering
	Access control
	HTTPS login from WAN
	DDOS attack protection
	Hierarchical user management

COMPLIANCE SPECIFICATIONS

Environment Compliance	Cold: IEC 60068-2-1
	Dry heat: IEC 60068-2-2
	Damp heat cyclic: IEC 60068-2-30
	Change of temperature: IEC 60068-2-14
	Shock: IEC60068-2-27
	Free fall: IEC60068-2-32
	Vibration: IEC60068-2-6